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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

For release March 1, 1963 ATLANTA 22, GEORGIA Vol. 12, No. 8

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED FEBRUARY 23, 1963

INFLUENZA – One or more outbreaks of influenza-like disease have now been reported from 30 States and the District of Columbia. States reporting outbreaks for the first time this week include Alabama, Arkansas, Connecticut, Iowa, Louisiana, Mississippi, Missouri, Pennsylvania, and Texas. Influenza A_2 virus has been isolated or confirmed by serologic titer rise as the causative agent of one or more outbreaks in Connecticut, Delaware, the District of Columbia, Georgia, Illinois, Iowa, Kansas, Maryland, Massachusetts, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, South Carolina, and Virginia. The pattern of spread of disease continues to show evidence of a westerly course. (See map, page 62). However, the occurrence of influenza-like illness in Middle Western States is presently showing a scattered geographic distribution, with major portions of many of these States still unaffected. The West Coast and Rocky Mountain States continue to report no more than the usual seasonal evidence of acute respiratory disease.

The number of pneumonia-influenza deaths reported weekly for 108 cities has remained above the epidemic threshold since the week ending January 12, and this week demonstrates a continued rise. Total deaths among those age 65 and older shows an excess of 4,218 since the beginning of the year. (See page 63).

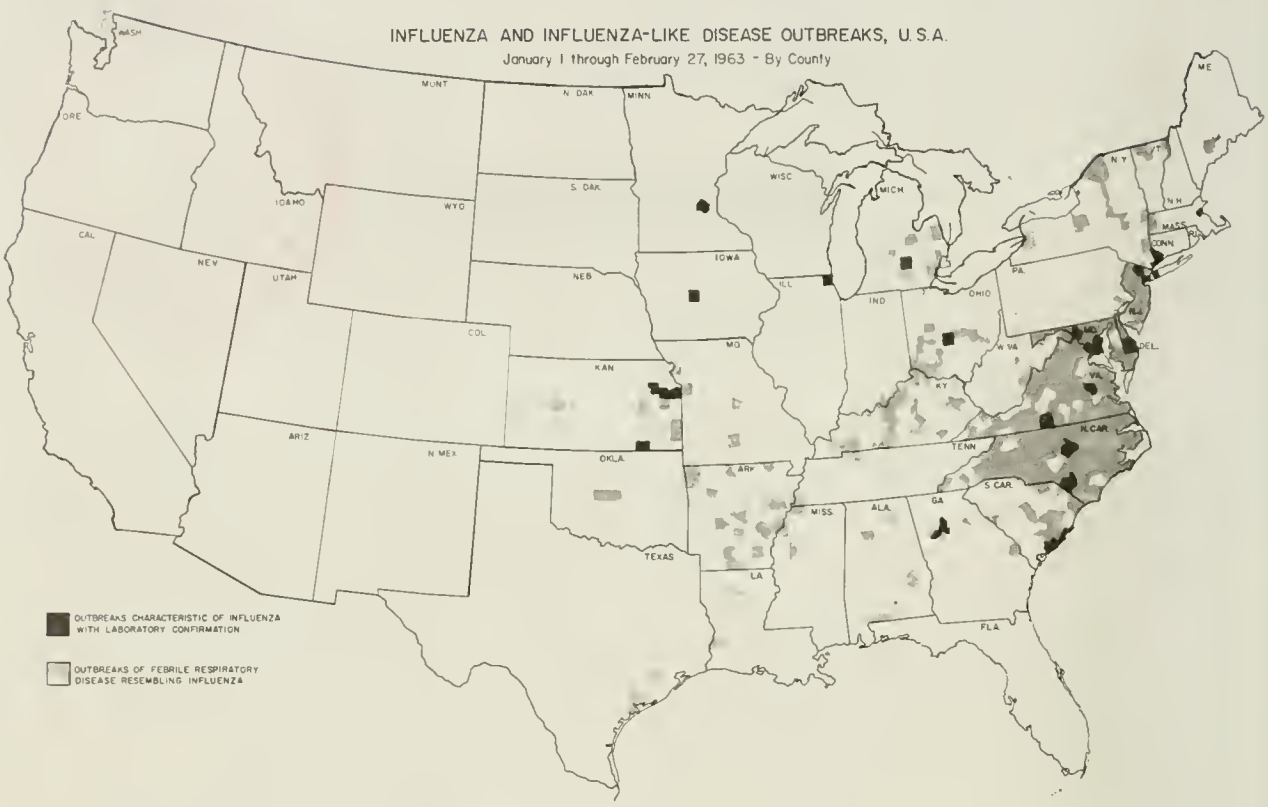
The following reports are from areas of the country currently experiencing new or widening outbreaks of influenza-like disease.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	8th Week			Cumulative First 8 weeks		
	Ended February 23, 1963	Ended February 24, 1962	Median 1958 - 1962	1963	1962	Median 1958 - 1962
Aseptic meningitis	19	21	---	183	125	---
Brucellosis	8	8	10	47	45	82
Diphtheria	5	6	16	44	101	155
Encephalitis, infectious	19	24	24	148	203	176
Hepatitis, infectious and serum	1,063	1,346	754	8,894	11,799	5,732
Measles	10,775	12,814	12,814	72,881	79,935	79,935
Meningococcal infections	47	56	61	428	418	424
Poliomyelitis, total	2	4	10	28	59	148
Paralytic	2	1	10	25	35	83
Nonparalytic	-	3	-	2	11	47
Unspecified	-	-	-	1	13	18
Streptococcal sore throat and Scarlet fever	9,707	8,667	---	73,857	67,508	---
Tetanus	2	3	---	25	20	---
Tularemia	7	1	---	39	45	---
Typhoid fever	6	10	10	40	58	74
Typhus fever, tick-borne, (Rocky Mountain spotted)	-	-	---	-	2	---
Rabies in Animals	61	75	75	452	520	627

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	-	Psittacosis: Ill.-1, Calif.-1	13
Botulism:	-	Rabies in Man:	-
Malaria: N.Y.-1, N.C.-2, Calif.-1	17	Smallpox:	-
Plague:	-	Typhus, murine:	2



Alabama – Outbreaks of influenza-like illness were reported from 5 widely separated counties during the week ending February 23. Case reports for that week totaled approximately 8,800 as compared to previous weekly totals averaging 150. Illness has caused temporary school closings in two counties thus far. Laboratory studies are in process.

(Reported by W. H. Y. Smith, M.D., M.P.H., Director, Bureau of Preventable Diseases, Alabama State Health Department).

Arkansas – Respiratory disease outbreaks were reported from 16 of the State's 75 counties during the past week. Twenty percent absenteeism was noted in elementary and high schools in Union County on the Louisiana border. Excess absenteeism with school closings were observed in at least 3 other counties as well. The epidemic illness was clinically compatible with influenza in most areas, although laboratory confirmation is not available.

(Reported by J. T. Herron, M.D., State Health Officer, and William L. Bunch, Jr., M.D., Director, Division of Communicable Disease Control, Arkansas State Health Department.)

Connecticut – An outbreak of respiratory illness consistent with influenza occurred in early February among elderly patients in a convalescent home in the western part of the State. Paired sera obtained from 4 patients during the outbreak showed significant rises in influenza A_2 antibody titer. Despite increased respiratory disease incidence in other areas of the State, laboratory evidence of A_2 influenza infection has not been demonstrated in these areas.

(Reported by Dr. James C. Hart, Director, Division of Preventable Diseases, Connecticut Department of Health.)

Georgia – Influenza A_2 virus has been recovered from 3 cases seen during recent outbreaks in the Atlanta area. Serologic evidence implicating the Asian virus has been obtained in 1 additional case in this population. Community-wide outbreaks were reported from 2 additional counties (Screven and Douglas) during the past week. Laboratory specimens have been obtained from these areas and are currently being processed in the State laboratories.

(Reported by W. J. Murphy, M.D., Director, Epidemiology, Georgia Department of Public Health.)

Iowa – On February 8 about 12 cases of influenza-like illness suddenly occurred in a State hospital and school in central Iowa. The illness was self-limited and did not spread to other patients in the institution which has a total population of 1,290. Three serum pairs from the cases showed a 4-fold or greater rise in influenza A_2 antibody titer. The institution has conducted an intensive influenza immunization program for the last few years, and it is believed that this program has been directly responsible for the failure of the illness to become more widespread. Other areas of the State have, to date, failed to show more than sporadic occurrences of febrile respiratory illness.

(Reported by Dr. Ralph H. Heeren, Director, Division of Preventable Diseases, Iowa State Department of Health.)

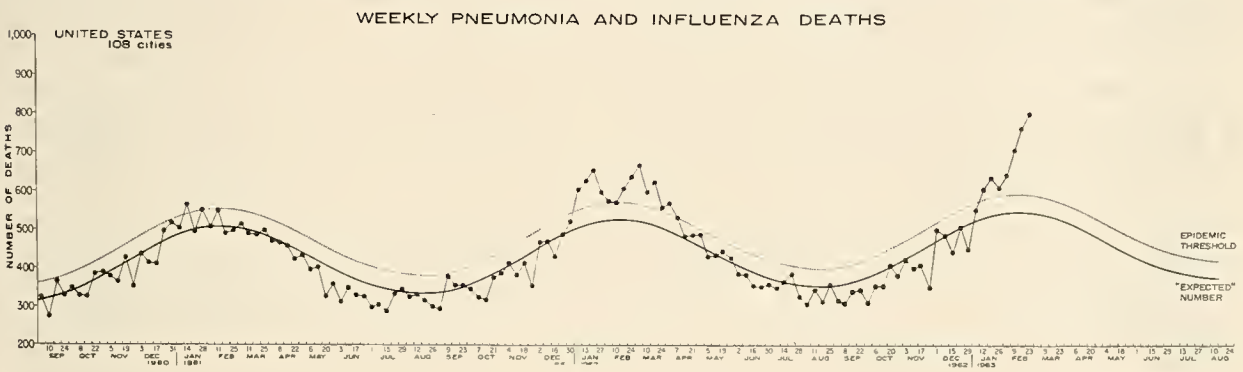
Kansas – Outbreaks of influenza-like illness continue in Douglas County. School absenteeism has risen as high as 14 percent in some instances. To date, six A_2 influenza isolates have been obtained from ill individuals in this county. Outbreaks of influenza-like disease have also been noted in 6 additional counties during the last week with school absenteeism running as high as 17 percent in some areas. Laboratory confirmation of A_2 influenza virus infection has been obtained in 3 separate instances in Chautauqua county. In general, high school students seem to be more severely affected than elementary school students in all areas.

(Reported by Dr. Don E. Wilcox, State Epidemiologist, Kansas State Board of Health.)

Kentucky – Extensive community-wide outbreaks continue to be reported from almost all parts of the State. Type A_2 influenza virus has been isolated in one case from the Louisville area.

(Reported by J. Clifford Todd, State Epidemiologist, Kentucky State Department of Health.)

(Continued on page 68)



PNEUMONIA-INFLUENZA MORTALITY – Excess pneumonia-influenza deaths in the 108 cities increased during the week ending February 23, 1963. The reported excess of 251 deaths is probably below the true number because of the February 22 holiday.

Since the week ending January 15, a total of 980 excess pneumonia-influenza deaths has been observed in the 108 cities. As shown below in the comments on deaths among those age 65 and older, pneumonia-influenza deaths reflect only part of the total mortality associated with the epidemic.

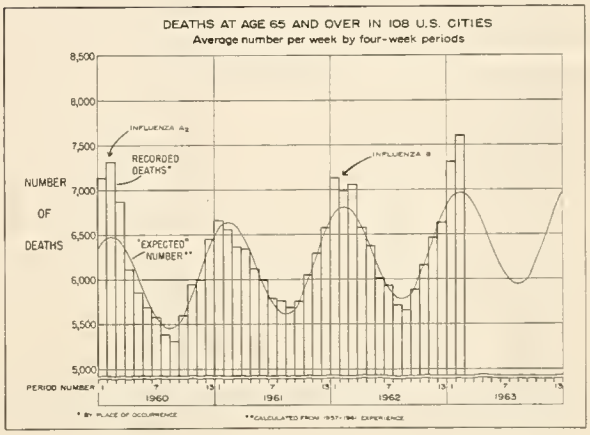
During the week ending February 23, significant increases in mortality occurred in New England, and East North Central divisions. A slight decrease was observed in the South and Middle Atlantic divisions.

SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U. S. CITIES

The excess of 2,574 deaths among older persons during the second four-week period of 1963 may be compared to the excess of 772 deaths during the comparable period of the 1962 influenza B epidemic and to the excess of 3,320 deaths during the same period of the 1960 influenza A_2 epidemic.

For the first eight weeks of the three epidemic years, 1963, 1962, and 1960, excess deaths amounted to 4,218, 2,359, and 6,160, respectively.

	WEEK ENDING				4 Week Total	Weekly Average
	2-2	2-9	2-16	2-23		
Observed	7,530	7,824	7,601	7,458	30,413	7,603
Expected	6,955	6,963	6,964	6,957	27,839	6,960
Excess	575	861	637	501	2,574	643



(See table, page 67)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

FEBRUARY 23, 1963 AND FEBRUARY 24, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	8th week		Cumulative First 8 weeks		8th week		Cumulative First 8 weeks		8th week		8th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES	2	4	28	59	2	1	25	35	-	3	19	21
NEW ENGLAND	-	-	-	-	-	-	-	-	-	-	2	-
Maine	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	-	-	-	-	1	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC	-	1	4	25	-	-	4	13	-	1	-	-
New York	-	1	3	25	-	-	3	13	-	1	-	-
New Jersey	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	-	-	1	-	-	-	1	-	-	-	-	-
EAST NORTH CENTRAL	-	1	7	6	-	-	6	4	-	1	-	1
Ohio	-	-	2	3	-	-	1	3	-	-	-	1
Indiana	-	-	-	1	-	-	-	1	-	-	-	-
Illinois	-	1	4	2	-	-	4	-	-	1	-	-
Michigan	-	-	1	-	-	-	1	-	-	-	-	-
Wisconsin	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL	1	-	1	4	1	-	1	1	-	-	-	2
Minnesota	-	-	-	-	-	-	-	-	-	-	-	2
Iowa	-	-	-	2	-	-	-	1	-	-	-	-
Missouri	1	-	1	2	1	-	1	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC	-	-	2	5	-	-	2	4	-	-	3	2
Delaware	-	-	-	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	1	-	-	-	-	-	-	-	-
Virginia	-	-	-	1	-	-	-	1	-	-	1	1
West Virginia	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina	-	-	2	1	-	-	2	1	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	2	-
Georgia	-	-	-	-	-	-	-	-	-	-	-	-
Florida	-	-	-	2	-	-	-	2	-	-	-	1
EAST SOUTH CENTRAL	-	-	1	2	-	-	-	1	-	-	1	6
Kentucky	-	-	-	-	-	-	-	-	-	-	-	4
Tennessee	-	-	-	1	-	-	-	-	-	-	-	-
Alabama	-	-	1	1	-	-	-	1	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-	-	-	1	2
WEST SOUTH CENTRAL	-	2	9	10	-	1	9	8	-	1	2	1
Arkansas	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana	-	1	8	3	-	1	8	3	-	-	-	-
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	-
Texas	-	1	1	7	-	-	1	5	-	1	2	1
MOUNTAIN	-	-	-	3	-	-	-	2	-	-	5	3
Montana	-	-	-	2	-	-	-	1	-	-	2	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	-	-	-	-	-	-	-	1	3
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Arizona	-	-	-	-	-	-	-	-	-	-	2	-
Utah	-	-	-	1	-	-	-	1	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	1	-	4	4	1	-	3	2	-	-	6	6
Washington	-	-	-	-	-	-	-	-	-	-	1	1
Oregon	1	-	1	-	1	-	1	-	-	-	-	-
California	-	-	3	4	-	-	2	2	-	-	5	5
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	-	-

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
FEBRUARY 23, 1963 AND FEBRUARY 24, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
							8th week					
	8th week	Cumulative 8 weeks	8th week	Cumulative 8 weeks	8th week		Under 20 yr.	20 & over	Total		8th week	
	1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962
UNITED STATES	8	47	5	44	19	24	541	433	1,063	1,346	10,775	12,814
NEW ENGLAND	-	-	-	1	1	2	65	55	120	48	409	1,732
Maine	-	-	-	-	-	-	28	27	55	11	12	249
New Hampshire	-	-	-	-	-	-	3	4	7	1	-	27
Vermont	-	-	-	-	-	-	1	-	1	4	12	6
Massachusetts	-	-	-	1	-	1	21	13	34	22	120	906
Rhode Island	-	-	-	-	1	-	1	-	1	4	61	47
Connecticut	-	-	-	-	-	1	11	11	22	6	204	497
MIDDLE ATLANTIC	1	3	-	7	3	7	102	103	205	137	868	1,811
New York	-	2	-	2	2	3	52	61	113	71	482	1,092
New Jersey	-	-	-	1	-	-	18	26	44	32	113	441
Pennsylvania	1	1	-	4	1	4	32	16	48	34	273	278
EAST NORTH CENTRAL	2	4	-	2	2	1	107	63	179	294	4,772	1,600
Ohio	-	-	-	-	-	1	51	17	70	111	593	130
Indiana	-	-	-	-	-	-	11	5	17	35	152	221
Illinois	2	4	-	2	-	-	24	18	43	49	210	409
Michigan	-	-	-	-	2	-	21	23	44	88	1,098	684
Wisconsin	-	-	-	-	-	-	-	-	5	11	2,719	156
WEST NORTH CENTRAL	5	36	2	11	1	-	36	25	68	114	662	393
Minnesota	1	3	2	3	-	-	4	2	8	23	123	38
Iowa	3	26	-	1	-	-	5	2	7	28	194	251
Missouri	-	1	-	-	-	-	23	18	44	30	73	15
North Dakota	-	-	-	-	-	-	2	1	3	8	272	70
South Dakota	-	2	-	6	1	-	-	-	-	2	-	16
Nebraska	1	2	-	1	-	-	-	-	2	2	-	3
Kansas	-	2	-	-	-	-	2	2	4	21	NN	NN
SOUTH ATLANTIC	-	-	1	10	2	3	41	43	91	193	940	951
Delaware	-	-	-	-	-	-	1	-	1	-	28	6
Maryland	-	-	-	-	-	-	-	5	5	27	33	86
District of Columbia	-	-	-	-	-	-	-	2	2	4	1	58
Virginia	-	-	-	1	-	2	3	3	8	43	94	371
West Virginia	-	-	-	-	-	-	14	3	17	18	315	297
North Carolina	-	-	-	1	-	-	15	19	34	59	63	26
South Carolina	-	-	-	2	1	1	-	2	3	12	121	12
Georgia	-	-	1	2	-	-	4	-	4	4	25	3
Florida	-	-	-	4	1	-	4	9	17	26	260	92
EAST SOUTH CENTRAL	-	1	1	7	1	-	74	50	133	226	381	1,379
Kentucky	-	-	-	-	1	-	25	10	44	116	172	115
Tennessee	-	-	-	1	-	-	23	29	52	52	162	1,051
Alabama	-	1	1	6	-	-	3	3	6	32	33	109
Mississippi	-	-	-	-	-	-	23	8	31	26	14	104
WEST SOUTH CENTRAL	-	2	1	5	-	1	39	26	69	106	867	2,825
Arkansas	-	1	-	1	-	-	11	5	16	9	32	-
Louisiana	-	-	-	-	-	-	8	1	9	25	7	14
Oklahoma	-	1	1	1	-	-	-	-	-	2	-	168
Texas	-	-	-	3	-	1	20	20	44	70	828	2,643
MOUNTAIN	-	1	-	-	1	-	16	6	74	82	716	606
Montana	-	-	-	-	-	-	4	2	7	3	79	233
Idaho	-	-	-	-	-	-	-	-	23	13	154	32
Wyoming	-	-	-	-	-	-	-	-	-	-	-	1
Colorado	-	-	-	-	-	-	-	-	15	14	218	166
New Mexico	-	-	-	-	-	-	7	1	9	6	NN	NN
Arizona	-	-	-	-	-	-	-	-	11	28	192	111
Utah	-	1	-	-	1	-	5	3	8	18	73	63
Nevada	-	-	-	-	-	-	-	-	1	-	-	-
PACIFIC	-	-	-	1	8	10	61	62	124	146	1,160	1,517
Washington	-	-	-	-	-	-	13	8	22	17	147	469
Oregon	-	-	-	-	-	-	7	12	19	12	279	263
California	-	-	-	1	8	9	41	40	81	105	500	763
Alaska	-	-	-	-	-	-	-	-	-	10	28	3
Hawaii	-	-	-	-	-	1	-	2	2	2	206	19
Puerto Rico	-	-	-	1	-	-	5	6	11	14	15	73

Table 3 CASES OF SPECIFIED NOTIFIABLE DISEASES UNITED STATES

FOR WEEKS ENDED

FEBRUARY 23, 1963 AND FEBRUARY 24, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rcky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	8th wk.	Cumulative 8 weeks	8th week		8th wk.	8th wk.	8th wk.	8th wk.	Cumulative 8 weeks	8th week		Cumulative 8 weeks
	1963	1963	1963	1962	1963	1963	1963	1963	1963	1963	1962	1963
UNITED STATES....	47	428	9,707	8,667	2	-	7	6	40	61	75	452
NEW ENGLAND.....	2	35	1,322	603	-	-	-	-	2	-	-	-
Maine.....	-	7	153	10	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	7	1	-	-	-	-	-	-	-	-
Vermont.....	-	1	3	9	-	-	-	-	-	-	-	-
Massachusetts.....	2	13	186	128	-	-	-	-	2	-	-	-
Rhode Island.....	-	4	107	37	-	-	-	-	-	-	-	-
Connecticut.....	-	10	866	418	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	6	51	582	565	-	-	-	-	5	2	1	16
New York.....	2	19	340	340	-	-	-	-	5	1	1	14
New Jersey.....	1	10	169	86	-	-	-	-	-	-	-	-
Pennsylvania.....	3	22	73	139	-	-	-	-	-	1	-	2
EAST NORTH CENTRAL..	7	73	1,445	1,087	-	-	-	-	-	9	8	63
Ohio.....	-	21	279	171	-	-	-	-	-	1	1	25
Indiana.....	2	13	213	135	-	-	-	-	-	1	5	7
Illinois.....	1	12	202	202	-	-	-	-	-	5	2	15
Michigan.....	4	18	374	327	-	-	-	-	-	-	-	11
Wisconsin.....	-	9	377	252	-	-	-	-	-	2	-	5
WEST NORTH CENTRAL..	4	23	287	248	-	-	3	1	2	16	24	105
Minnesota.....	1	4	27	34	-	-	-	-	-	5	2	31
Iowa.....	-	-	87	86	-	-	-	1	1	7	14	33
Missouri.....	3	10	33	28	-	-	2	-	1	1	4	22
North Dakota.....	-	1	74	80	-	-	-	-	-	-	2	2
South Dakota.....	-	2	27	4	-	-	-	-	-	3	1	17
Nebraska.....	-	6	-	-	-	-	-	-	-	-	1	-
Kansas.....	-	-	39	16	-	-	1	-	-	-	-	-
SOUTH ATLANTIC.....	17	101	818	695	1	-	1	4	11	16	7	90
Delaware.....	-	1	12	4	-	-	-	-	-	-	-	-
Maryland.....	2	16	45	17	-	-	-	-	2	-	-	-
Dist. of Columbia..	-	1	1	-	-	-	-	-	-	-	-	-
Virginia.....	6	25	274	259	-	-	-	-	-	5	3	35
West Virginia.....	-	7	182	133	-	-	-	3	5	7	1	32
North Carolina.....	4	18	71	59	-	-	-	-	1	1	-	4
South Carolina.....	2	8	51	89	-	-	-	-	-	-	-	-
Georgia.....	2	6	2	5	-	-	1	1	1	1	-	1
Florida.....	1	19	180	129	1	-	-	-	2	2	3	18
EAST SOUTH CENTRAL..	3	28	1,329	1,681	1	-	-	1	5	3	10	40
Kentucky.....	1	7	147	155	-	-	-	-	1	1	2	17
Tennessee.....	2	14	1,032	1,265	-	-	-	1	4	2	8	21
Alabama.....	-	4	70	41	1	-	-	-	-	-	-	2
Mississippi.....	-	3	80	220	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL..	4	41	1,332	910	-	-	3	-	8	11	20	79
Arkansas.....	-	3	211	-	-	-	1	-	6	1	5	7
Louisiana.....	1	13	12	3	-	-	-	-	-	2	1	11
Oklahoma.....	1	8	4	51	-	-	1	-	-	-	1	6
Texas.....	2	17	1,105	856	-	-	1	-	2	8	13	55
MOUNTAIN.....	-	14	1,675	1,294	-	-	-	-	1	1	-	8
Montana.....	-	-	50	84	-	-	-	-	-	-	-	-
Idaho.....	-	-	168	152	-	-	-	-	-	-	-	-
Wyoming.....	-	-	115	36	-	-	-	-	-	-	-	-
Colorado.....	-	3	797	432	-	-	-	-	-	-	-	-
New Mexico.....	-	2	325	264	-	-	-	-	1	-	-	4
Arizona.....	-	3	110	175	-	-	-	-	-	1	-	4
Utah.....	-	5	110	149	-	-	-	-	-	-	-	-
Nevada.....	-	1	-	2	-	-	-	-	-	-	-	-
PACIFIC.....	4	62	917	1,584	-	-	-	-	6	3	5	51
Washington.....	1	6	489	603	-	-	-	-	-	-	-	-
Oregon.....	-	2	31	48	-	-	-	-	1	-	-	1
California.....	3	50	256	893	-	-	-	-	5	3	5	50
Alaska.....	-	4	72	21	-	-	-	-	-	-	-	-
Hawaii.....	-	-	69	19	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	7	-	4	-	-	1	1	-	-	1

Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	2/2	2/9	2/16	2/23
NEW ENGLAND:				
Boston, Mass.	155	155	162	187
Bridgeport, Conn.	14	30	22	29
Cambridge, Mass.	17	18	22	13
Fall River, Mass.	18	21	23	31
Hartford, Conn.	24	38	44	27
Lowell, Mass.	14	19	23	17
Lynn, Mass.	11	20	13	18
New Bedford, Mass.	23	18	24	24
New Haven, Conn.	42	29	27	25
Providence, R.I.	43	35	52	48
Somerville, Mass.	9	13	8	6
Springfield, Mass.	41	36	42	38
Waterbury, Conn.	20	18	24	16
Worcester, Mass.	28	40	38	33
MIDDLE ATLANTIC:				
Albany, N.Y.	32	44	34	25
Allentown, Pa.	28	24	18	21
Buffalo, N.Y.	116	90	94	97
Camden, N.J.	26	28	33	25
Elizabeth, N.J.	21	20	25	24
Erie, Pa.	45	29	29	32
Jersey City, N.J.	43	61	48	40
Newark, N.J.	61	60	66	61
New York City, N.Y.	1,154	1,248	1,336	1,141
Paterson, N.J.	29	21	19	23
Philadelphia, Pa.	352	361	188	547
Pittsburgh, Pa.	126	115	81	155
Reading, Pa.	16	19	17	24
Rochester, N.Y.	73	69	71	80
Schenectady, N.Y.,	10	12	15	15
Scranton, Pa.	20	21	28	47
Syracuse, N.Y.	39	41	60	43
Trenton, N.J.	23	32	34	29
Utica, N.Y.	12	28	22	20
Yonkers, N.Y.	16	37	35	20
EAST NORTH CENTRAL:				
Akron, Ohio	43	38	57	38
Canton, Ohio	23	23	25	25
Chicago, Ill.	459	442	492	491
Cincinnati, Ohio	128	97	135	119
Cleveland, Ohio	121	112	128	128
Columbus, Ohio	69	75	78	60
Dayton, Ohio	57	59	56	58
Detroit, Mich.	199	235	198	222
Evansville, Ind.	26	36	30	20
Flint, Mich.	24	25	24	25
Fort Wayne, Ind.	26	35	21	30
Gary, Ind.	19	17	10	16
Grand Rapids, Mich.	29	37	33	26
Indianapolis, Ind.	105	96	74	97
Madison, Wis.	10	7	22	19
Milwaukee, Wis.	94	88	74	96
Peoria, Ill.	19	23	13	21
Rockford, Ill.	14	27	15	8
South Bend, Ind.	21	30	36	15
Toledo, Ohio	46	70	70	52
Youngstown, Ohio	45	36	34	29
WEST NORTH CENTRAL:				
Des Moines, Iowa	40	44	41	32
Duluth, Minn.	21	22	18	15
Kansas City, Kans.	29	31	32	19
Kansas City, Mo.	119	119	113	83
Lincoln, Nebr.	19	22	26	14
Minneapolis, Minn.	70	80	89	78
Omaha, Nebr.	58	36	40	47
St. Louis, Mo.	167	163	180	143
St. Paul, Minn.	52	42	43	38
Wichita, Kans.	25	32	28	21
SOUTH ATLANTIC:				
Atlanta, Ga.	58	75	58	84
Baltimore, Md.	228	223	225	170
Charlotte, N.C.	21	18	10	19
Jacksonville, Fla.	35	37	37	13
Miami, Fla.	41	60	51	52
Norfolk, Va.	19	32	30	43
Richmond, Va.	74	82	71	55
Savannah, Ga.	12	17	15	19
St. Petersburg, Fla.	68	72	59	81
Tampa, Fla.	28	43	53	46
Washington, D.C.	116	135	131	101
Wilmington, Del.	22	43	43	29
EAST SOUTH CENTRAL:				
Birmingham, Ala.	66	62	47	69
Chattanooga, Tenn.	26	39	35	16
Knoxville, Tenn.	21	21	24	15
Louisville, Ky.	84	76	71	42
Memphis, Tenn.	86	66	78	65
Mobile, Ala.	31	15	20	23
Montgomery, Ala.	20	18	19	19
Nashville, Tenn.	34	48	27	25
WEST SOUTH CENTRAL:				
Austin, Tex.	22	23	28	19
Baton Rouge, La.	14	19	14	15
Corpus Christi, Tex.	17	11	17	14
Dallas, Tex.	81	77	73	80
El Paso, Tex.	24	15	15	12
Fort Worth, Tex.	51	46	47	53
Houston, Tex.	114	86	96	85
Little Rock, Ark.	24	47	38	30
New Orleans, La.	103	133	92	84
Oklahoma City, Okla.	42	44	52	49
San Antonio, Tex.	78	54	52	70
Shreveport, La.	35	25	39	37
Tulsa, Okla.	31	61	39	43
MOUNTAIN:				
Albuquerque, N. Mex.	25	25	22	24
Colorado Springs, Colo.	7	9	8	10
Denver, Colo.	81	90	65	79
Ogden, Utah	10	9	7	10
Phoenix, Ariz.	54	62	42	65
Pueblo, Colo.	6	16	12	10
Salt Lake City, Utah.	30	28	29	24
Tucson, Ariz.	28	28	17	30
PACIFIC:				
Berkeley, Calif.	18	16	6	15
Fresno, Calif.	31	26	30	28
Glendale, Calif.	21	48	25	20
Honolulu, Hawaii	18	19	19	15
Long Beach, Calif.	44	48	47	27
Los Angeles, Calif.	298	367	313	275
Oakland, Calif.	84	55	60	38
Pasadena, Calif.	27	16	25	33
Portland, Oreg.	69	68	69	56
Sacramento, Calif.	41	39	37	35
San Diego, Calif.	53	52	59	60
San Francisco, Calif.	134	126	126	119
San Jose, Calif.	20	17	18	22
Seattle, Wash.	88	101	115	86
Spokane, Wash.	42	27	36	40
Tacoma, Wash.	28	33	35	21
San Juan, P.R.	15	10	4	(---)

Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	12,755
4(B) Pneumonia-Influenza Deaths, all ages	796
4(C) Total Deaths under 1 Year of Age	701
4(D) Total Deaths, Persons 65 years and over	7,458

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Louisiana – Three Louisiana parishes reported influenza-like illness during the week ending February 16, with school absentee rates as high as 30 percent in some areas. Cases are described as typical of influenza. Laboratory studies are in progress.

(Reported by John M. Bruce, M.D., Chief, Section of Epidemiology, Louisiana State Board of Health.)

Michigan – The small industrial outbreak recently described in Lansing (MMWR Vol. 12, No. 7) has slowly spread to involve the surrounding city during the past week, although the extent of community involvement remains limited. The Detroit epidemic clearly appears to be waning. The epidemic has now progressed about halfway up the State's lower peninsula, with the western part of the State still free of outbreaks thus far.

(Reported by George H. Agate, M.D., Epidemiologist, Michigan Department of Health.)

Mississippi – Localized outbreaks were reported last week from three counties in the northwestern part of the State. Two of these areas are adjacent to sites of a similar epidemic illness in Arkansas and Tennessee. The illnesses were described as clinically compatible with influenza. Laboratory specimens are being obtained.

(Reported by Durward L. Blakey, M.D., Director, Preventable Disease Control, Mississippi State Board of Health.)

Missouri – Epidemic respiratory disease, compatible with influenza, has been reported from the city of St. Joseph in western Missouri, and at a military base in neighboring Jackson County. These areas lie adjacent to sites of laboratory confirmed influenza in eastern Kansas. Additional outbreaks, largely confined to school populations, have occurred in 2 other widely separated counties. Laboratory specimens are being collected.

(Reported by E. A. Belden, M.D., Communicable Disease Consultant, Missouri Department of Health.)

New Jersey – Influenza A_2 infection has been confirmed serologically in five patients from the city of Paterson in Passaic County. Limited, mild outbreaks of respiratory disease continue to be described in scattered areas. No abnormal school absenteeism has been reported.

(Reported by W. J. Dougherty, M.D., Director, Division of Preventive Disease, New Jersey State Department of Health.)

Pennsylvania – Montgomery County, in southeastern Pennsylvania, has reported an outbreak of influenza-like illness thus far confined to school age children in a single community. School absenteeism reached 33 percent during the epidemic's peak period. Specimens have been obtained and are being processed.

(Reported by W. D. Schrack, Jr., M.D., Director, Division of Communicable Disease Control, Pennsylvania Department of Health.)

South Carolina – An increased incidence of influenza-like illness has been reported among students at a medical school in Charleston. Serologic evidence of influenza A_2 infection has been obtained from 4 serum pairs obtained from ill individuals at the school.

(Reported by Dr. G. E. McDaniel, Director, Division of Disease Control, South Carolina State Board of Health.)

Texas – Three counties in southeastern Texas reported extensive community-wide outbreaks of influenza-like illness last week with excessive school absenteeism and school closings in several areas. The clinical syndrome is typical of influenza although confirmatory laboratory studies are still in progress.

(Reported by Dr. Van C. Tipton, Director, Communicable Disease Division, Texas State Department of Health.)

INTERNATIONAL NOTES – QUARANTINE MEASURES

No additional pertinent information or changes.

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